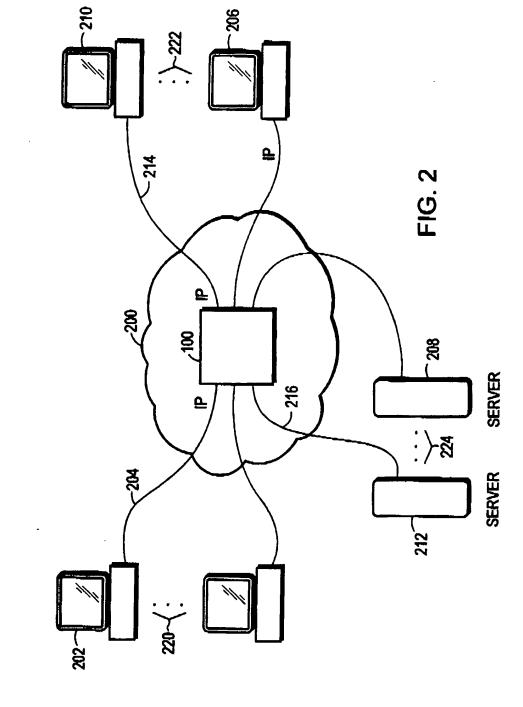


SWITCH WITH LINECARDS QUEUES, AND THRESHOLDS

FIG. 1



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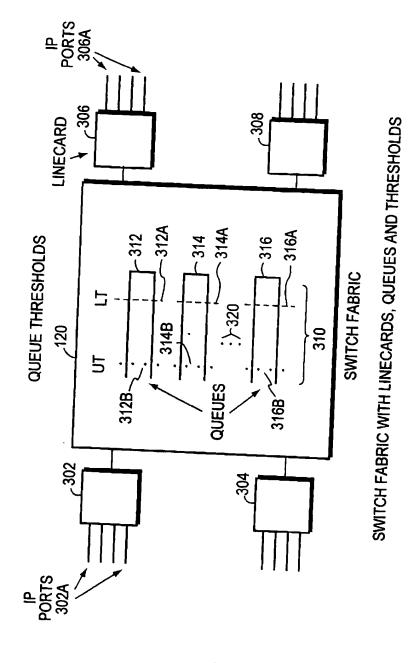
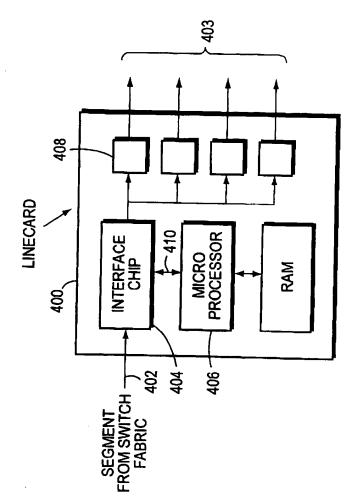


FIG. 3



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LINECARD WITH MICRO-PROCESSOR FOR EXECUTING RED ALGORITHM, RAM MEMORY FOR STORING CODE AND DATA

FIG. 4

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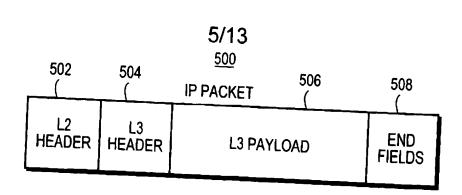


FIG. 5

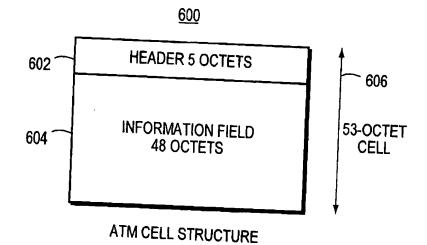


FIG. 6

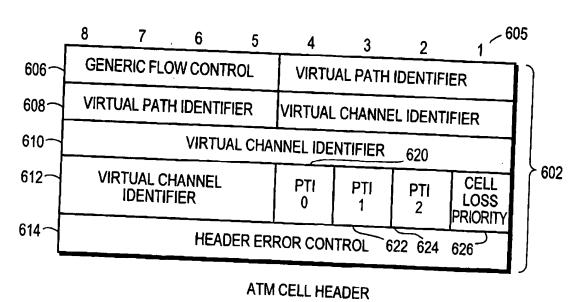


FIG. 7

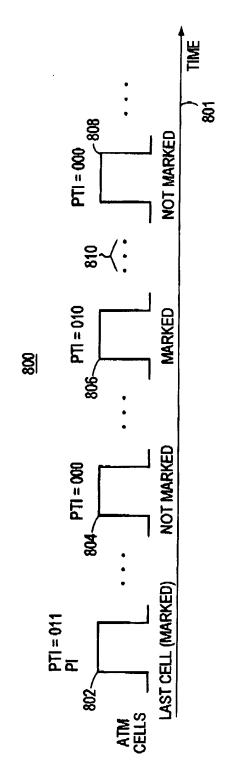


FIG. 8

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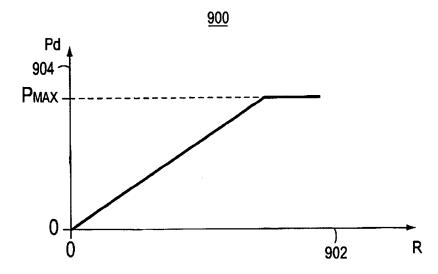


FIG. 9

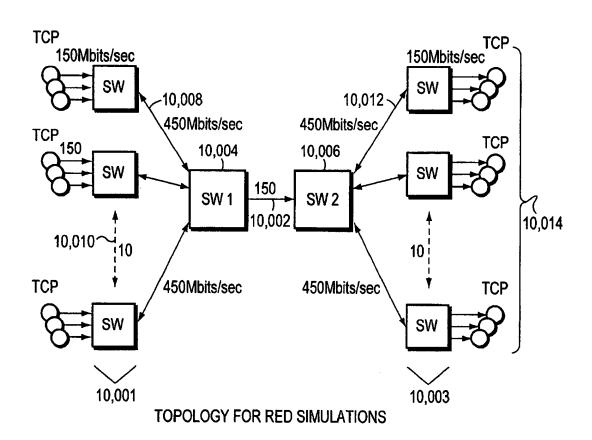
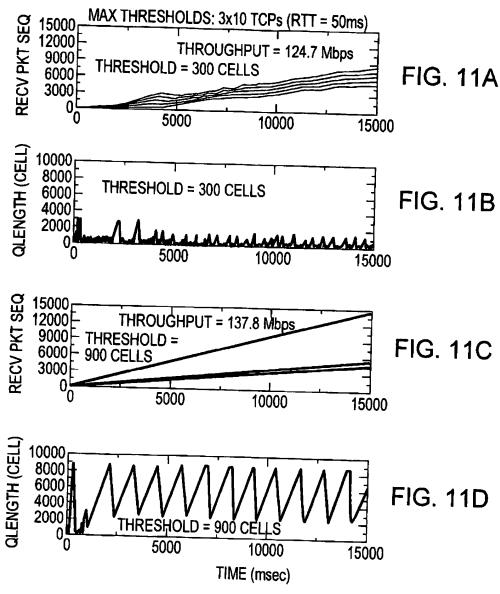
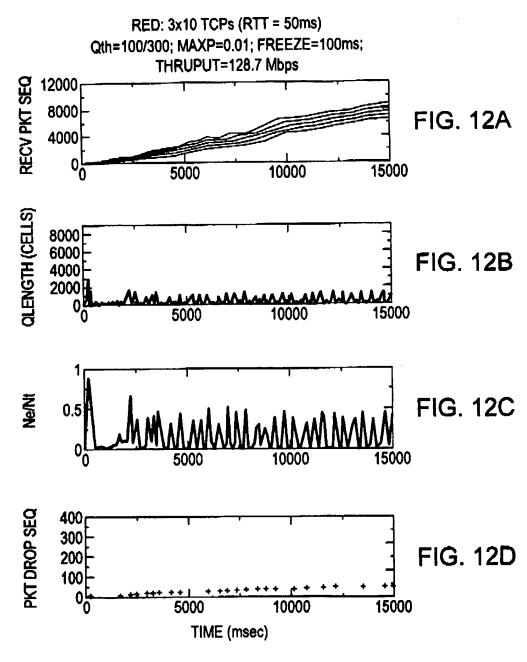


FIG. 10



RESULTS FOR EPD-THRESHOLD = 300, 900

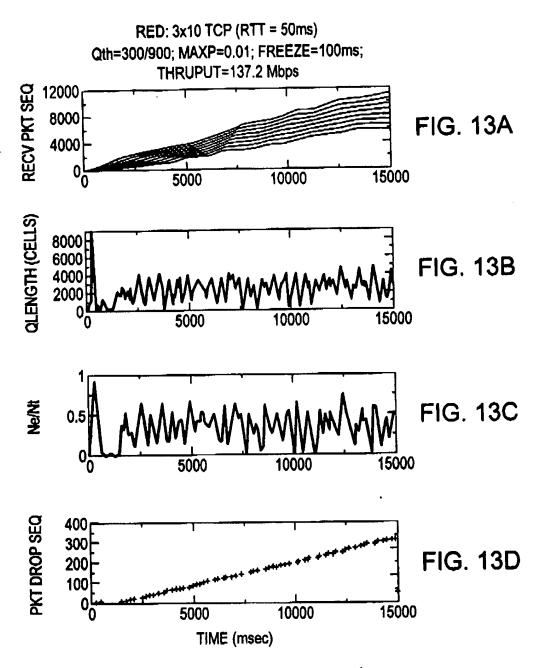
10/13



RESULTS FOR EFCI-THRESHOLD = 100, EPD = 300

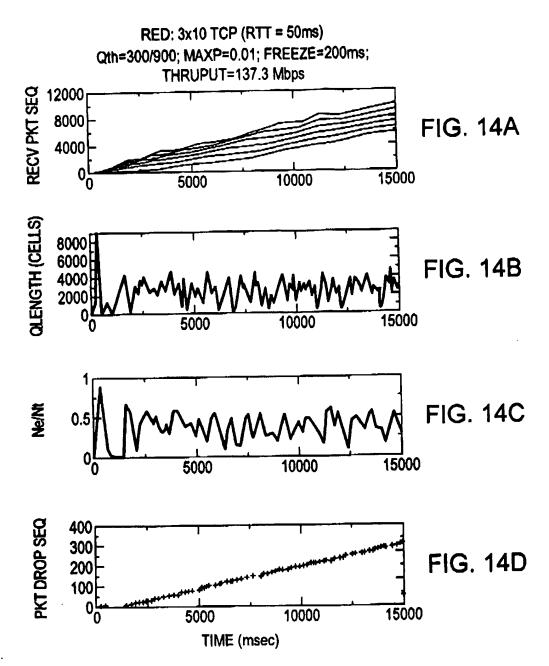
+

11/13



RESULTS FOR EFCI-THRESHOLD = 300, EPD = 900

12/13

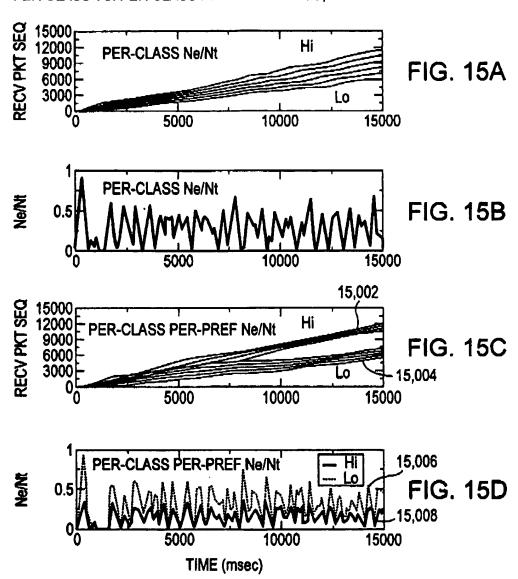


RESULTS FOR PD UPDATE INTERVAL = 200 msec

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13/13

RED: 10/20 (Hi/Lo) TCPs (RTT = 50ms)
PER-CLASS VS. PER-CLASS PER-PREF RATIOS; MAXP=1.0/2.0%



PER-CLASS VS. PER-CLASS PER-PREFERENCE Ne/Nt

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